

**WE CLAIM:**

1. A composition for topical use in the cosmetic or pharmaceutical field,  
characterized in that it comprises:
  - 5 a. an enzymatic pool;
  - b. a coenzyme; and
  - c. a vasodilator;complexed with phospholipids in solution.
- 10 2. The composition according to claim 1, wherein:
  - a. the enzymatic pool comprises 3- $\beta$ -hydroxysteroido-oxido-reductase  
(3- $\beta$ -HSOR) and 17- $\alpha$ -hydroxysteroido-oxido-reductase (17- $\alpha$ -HSOR), both having a  
MW of about 100,000 Daltons;
  - b. the coenzyme is nicotinamido-adenin-dinucleotide (NAD); and
  - 15 c. the vasodilator is a nicotinic acid derivative.
3. The composition according to claim 1, wherein the nicotinic acid derivative is  
thurfyl nicotinate .
- 20 4. The composition according to claim 1, further comprising auxiliaries,  
additives, drugs and active principles.
5. A method of treating alopecia in mammals, comprising:
  - applying an effective amount of the composition of claim 1 topically to a
  - 25 mammal in the need of such treatment.
6. The method of claim 5, wherein the mammal is a human.
7. The method of claim 6, wherein the human is male.

8. The method of claim 6, wherein said composition of claim 1 is applied to the scalp of the human.
- 5 9. A method of treating alopecia in mammals, comprising applying an effective amount of the composition of claim 2 topically to a mammal in the need of such treatment.
- 10 10. A method of treating light defects in skin and appendages in mammals, comprising topically applying an effective amount of the composition of claim 1 to the affected area of a mammal in the need of such treatment.